In the Specification:

Please replace the paragraph beginning at page 23, line 1, with the following:

--Examples of pan DR binding peptides of the invention that can induce or enhance a T-helper cell mediated immune response include, for example, the first 8 peptides listed in Table 9. This Table provides an illustration of various substitutions that one can make to obtain different pan DR stimulatory peptides. For example, the peptide 965.10 is a synthetic peptide, having a non-naturally occurring cyclohexylalanine or similar amino acid peptide at position X_2 and being flanked on each end by D-amino acids. An analogous preferred peptide has a substitution, *e.g.*, phenylalanine, at position X_2 of peptide 965.10. To obtain an all-natural yet analogous peptide, the D-amino acids at each end can be replaced by L-amino acids in addition to the substitution of a naturally occurring amino acid for the cyclohexylalanine; an all-L-amino acid peptide such as this can be prepared and/or administered using nucleic acids that encode the peptide. Each of these three peptides can then be subjected to an additional substitution at position X_6, as illustrated in Table 5. For example, the tryptophan at position X_6 of peptide 965.10 or its two derivatives can be replaced by asparagine, tyrosine, lysine, histidine, or alanine without loss of stimulatory activity. Thus, preferred peptides include those shown in Table 5.

Table 5

Amino acid at Position X_6	Synthetic	Replacement of Cyclohexylalanine	All-Natural (no D-amino acids or cyclohexylalanine)
W	aK(X)VAAWTLKAAa	aKFVAAWTLKAAa	AKFVAAWTLKAAA (SEQ ID NO:11)
N	aK(X)VAANTLKAAa	aKFVAANTLKAAa	AKFVAANTLKAAA (SEQ ID NO:12)
Y	aK(X)VAAYTLKAAa	aKFVAAYTLKAAa	AKFVAAYTLKAAA (SEQ ID NO:13)
K	aK(X)VAAKTLKAAa	aKFVAAKTLKAAa	AKFVAAKTLKAAA (SEQ ID NO:14)
H	aK(X)VAAHTLKAAa	aKFVAAHTLKAAa	AKFVAAHTLKAAA (SEQ ID NO:15)
A	aK(X)VAAATLKAAa	aKFVAAATLKAAa	AKFVAAATLKAAA (SEQ ID NO:16)

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Please replace the paragraph beginning at page 41, line 14, with the following:

--Peptides encompassing B-cell epitopes from the central immunodominant circumsporozoite repeat region of circumsporozoite proteins (CSP) of *P. yoelii* (PyB) or *P. falciparum* (PfB) were synthesized by standard MOC chemistry, purified by HPLC and their purity and identity verified by HPLC and mass spectrometry. Sequences: PyB = $G(QGPGAP)_4$ (SEQ ID NO:17) (Charoenvit, Y. *et al., J. Immunol.* **146**:1020-5 (1991)); PfB = $(NANP)_4$ (SEQ ID NO:18) (Nussenzweig, V. *et al., Adv Immunol* **45**:283-334 (1989); Dame, J.B. *et al., Science* **225**:593-9 (1984)). Peptides colinearly synthesized to encompass PADRE were also produced using the same methods. PADRE-PfB sequence: aKXVAAWTLKAa$(NANP)_4$GGS; PADRE-PyB sequence: aKXVAAWTLKAa$(QGPGAP)_4$GGS.--

Please replace the paragraph beginning at page 41, line 25, with the following:

--A multiple antigen peptide (PyCSP-MAP) was also synthesized as previously described (Wang, R. *et al., J. Immunol* **154**:2784-93 (1995); Valmori, D. *et al., J Immunol Meth* **149**:717-21 (1992)). In brief, it included a lysine core and four

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branches. Each branch included four copies of the protective B-cell epitope, QGPGAP (SEQ ID NO:19), from the PyCSP and the universal T-helper epitopes from tetanus toxin, p2p30 (p2 = QYIKANSKFIGITE (SEQ ID NO:5); p30 = FNNFTVSFWLRVPKVSASHLE (SEQ ID NO:20)) (Wang, R. *et al., J. Immunol* **154**:2784-93 (1995)).--

Please replace the paragraph beginning at page 46, line 7, with the following:

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--Encouraged by the data from the experiments shown above, we determined next if immunization with the PADRE-PyB peptide would protect mice against sporozoite challenge. In order to select a control immunogen we relied on the following information. We have previously reported that immunization with a multiple antigen peptide branched chain polymer including the 35 amino acid P2P30 universal T-cell epitope sequences from tetanus toxin, and four copies of the six amino acid tandem repeat (QGPGAP; SEQ ID NO:19) from the *P. yoelii* circumsporozoite protein (PyCSP) in multiple adjuvants induces high levels of antibodies that inhibit sporozoite invasion of hepatocytes *in vitro* and protect against sporozoite challenge *in vivo* (Wang, R. *et al., J. Immunol* **154**:2784-93 (1995)). We have also determined that doses of 25 μg of this PyCSP MAP induce higher levels of protection than do higher doses. Accordingly, this immunogen was used as a positive control in our experiments.--

Please replace the paragraph (Table 8) beginning at page 48, line 3, with the following:

--Table 8

Antibodies and protective immunity after immunization of mice with PyCSP synthetic peptide vaccines

Immunogen/ Adjuvant	Infected/ challenged	% Protected	IFAT Sporozoites (titer[a] x 10-3)	ELISA $(QGPGAP)_2$[c] PyCS.1 (OD Units x 10-3)[b]	
PyB/Titermax™	7/8	12.5	-	-	-
PADRE-PyB/ Titermax™	2/8	75.0	3.2	25.6	25.6
PyCSP-MAP/ Titermax™	2/7	71.4	3.2	12.8	12.8
-/ Titermax™	7/8	12.5	-	-	-
Infectivity control	8/8	0	ND	ND	ND

[a]Titer is defined as the reciprocal of the last serum dilution yielding positive reactivity as detected by fluorescence microscopy. [b]The reciprocal of the serum dilution at which the optical density (410 nm) was 1.0. [c] $(QGPGAP)_2$ = SEQ ID NO:21

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Please replace the paragraph (Table 9) beginning at page 50, line 1, with the following (see attached sheet).

Please insert the accompanying paper copy of the Sequence Listing, page numbers 1 to 8, at the end of the application.

Table 9

Binding Activity of PADRE Analogs

PEPTIDE	SEQ ID NO.	SEQUENCE	DR1	DR2wB2	DR3	DR4w4	DR4w14	DR5	DR7	DRw53	DQ3.1
965.08	-	aK(X)VAANTLKAAa-NH_2	1.2 (1)	3.8	250	3	13.8	8	192.3	163.8	--
965.09	-	aK(X)VAAYTLKAAa-NH_2	0.8	7.4	250	1	7	5.4	192.3	86.4	--
965.10	-	aK(X)VAAWTLKAAa-NH_2	1.2	5.6	119	2.8	9.8	11.1	147.1	141.8	25
965.14	-	aK(X)VAAKTLKAAa-NH_2	3.6	8	781	7.4	62.5	3.4	227	52.8	--
965.15	-	aK(X)VAAHTLKAAa-NH_2	1.9	5.4	1389	3.2	13.8	29.9	156.3	79.2	--
965.16	-	aK(X)VAAATLKAAa-NH_2	4.2	6.1	1471	6.2	55.6	16.7	227	131.9	--
965.17	22	AK(X)VAAWTLKAAA-NH_2	2	5.9	1786	3.8	26.7	9.1	147.1	169.6	--
553.01	5	QYIKANSKFIGITE	51.5	20	2717	8036	10000	20	25	--	--
553.02	-	qYIKANSKFIGITEa	238	25.3	-- (2)	--	--	83.3	49	--	--

(1) = nM IC_{50} values
(2) dashes indicate >10,000 nM
(X) = cyclohexylalanine
"-NH_2" indicates amidation at the carboxyl terminus of the peptides.